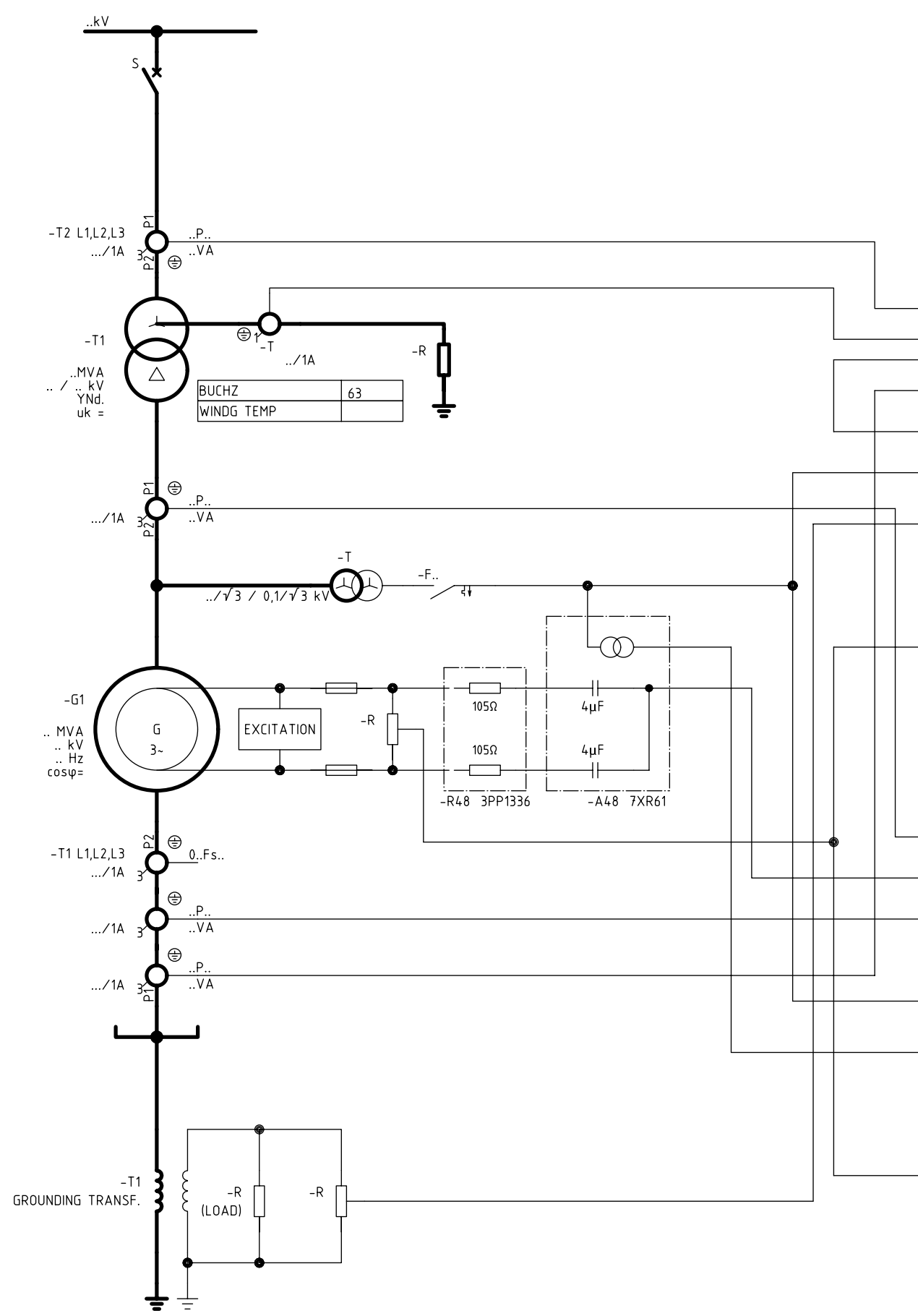


Archiv: SIPROTEC / YU / 7UM62,62 / 044 /  
Blank form: FBSTP-R1  
Date of print: 14.11.2002  
Time of print: 11:27 h  
File-No.: 00009

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Project: angebbas  
SYMBOL LIBRARY 1: EVSBasis  
SYMBOL LIBRARY 2: xxxxx  
SYMBOL LIBRARY 3: xxxxx  
SYMBOL LIBRARY 4: xxxxx

ELCAD-VERSION: 5.7x  
TRANSLATE FILE A:xxxxx  
TRANSLATE FILE B:xxxxx  
TRANSLATE FILE C:EVSBasFB.ce  
TRANSLATE FILE D:EVSBasGT.de



- R1 HV CB
- R2 RAPID SHUT DOWN
- R3 EXCITATION
- R4 SPARE
- PDP SIGNALLINGS

**-F11 7UM621-B(Standard)**

I1	L1	UNIT DIFF	87
I1	L2	STATOR E/F Ue>	59N-1
I1	L3	TFR EARTH CURRENT Ie>	51N
IEE1		EARTH CURRENT DIFF (REF)	87TN
I2	L1	UNDERFREQUENCY	81-1
I2	L2	OVERFREQUENCY	81-1
I2	L3	OVERVOLTAGE	59-1
IEE2		OVERVOLTAGE	59-1
L1		IMPEDANCE	21-1
U1	L2	STATOR E/F (3.harm)	27TN
U1	L3	OVERLOAD	49-1
N		OVERLOAD	49-1
UE		REVERSE PWR	32R-1
(3Uo)		UNDEREXC	40-1
TD1		UNBALANCED LOAD	46-1
		OVEREXCITATION	24-1
TD2			
TD3			
(Uexc)			

**-F21 7UM621-B(Standard)**

I1	L1	GEN DIFF	87G
I1	L2	STATOR E/F Ue>	59N-1
I1	L3	ROTOR E/F	64R
IEE1		UNDERFREQUENCY	81-1
I2	L1	OVERFREQUENCY	81-1
I2	L2	OVERVOLTAGE	59-1
I2	L3	IMPEDANCE	21-2
IEE2		IMPEDANCE	21-2
L1		OVERLOAD	49-1
U1	L2	REVERSE PWR	32R-1
U1	L3	UNDEREXC	40-1
N		UNBALANCED LOAD	46-1
UE		UNBALANCED LOAD	46-1
(Ure)		OVEREXCITATION	24-2
TD1			
TD2			
TD3			
(Uexc)			

	R1	R2	R3	R4	PDP	LED No.	ANSI No.
-F11 7UM621							
UNIT DIFF	●	●	●	●	●	1	87
STATOR E/F Ue>	●	●	●	●	●	2	59N-1
TFR EARTH CURRENT Ie>	●	●	●	●	●	3	51N
EARTH CURRENT DIFF (REF)	●	●	●	●	●	4	87TN
UNDERFREQUENCY f1<	●	●	●	●	●	5	81-1
GEN CB ON	●	●	●	●	●	5	81-1
OVERFREQUENCY	●	●	●	●	●	6	59-1
OVERVOLTAGE	●	●	●	●	●	7	21-1
IMPEDANCE	●	●	●	●	●	8	27-TN
STATOR E/F (3.harm)	●	●	●	●	●	9	49-1
OVERLOAD	●	●	●	●	●	10	32R-1
REVERSE PWR	●	●	●	●	●	11	40-1
UNDEREXC	●	●	●	●	●	12	46-1
UNBALANCED LOAD WARNING	●	●	●	●	●	13	24-1
UNBALANCED LOAD TRIP	●	●	●	●	●	13	24-1
OVEREXCITATION	●	●	●	●	●	14	63
TRIP FROM BUCHZ	●	●	●	●	●	14	63
TRIP FROM WINDG TEMP	●	●	●	●	●	14	63

	R1	R2	R3	R4	PDP	LED No.	ANSI No.
-F21 7UM621							
GEN DIFF	●	●	●	●	●	1	87G
STATOR E/F Ue>	●	●	●	●	●	2	59N-2
ROTOR E/F	●	●	●	●	●	3	64R
UNDERFREQUENCY f1<	●	●	●	●	●	4	81-2
GEN CB ON	●	●	●	●	●	4	81-2
OVERFREQUENCY	●	●	●	●	●	5	81-2
OVERVOLTAGE	●	●	●	●	●	6	59-2
IMPEDANCE	●	●	●	●	●	7	21-2
OVERLOAD	●	●	●	●	●	9	49-2
REVERSE PWR	●	●	●	●	●	10	32R-2
UNDEREXC	●	●	●	●	●	11	40-2
UNBALANCED LOAD WARNING	●	●	●	●	●	12	46-2
UNBALANCED LOAD TRIP	●	●	●	●	●	12	46-2
OVEREXCITATION	●	●	●	●	●	13	24-2
EXTERNAL TRIP	●	●	●	●	●	14	
EXTERNAL TRIP	●	●	●	●	●	14	

7UM6\_Redundancy\_3.pdf

Date	02-10-24	SIPROTEC 4	GENERATOR PROTECTION	YU	SIPROTEC	044
Drawn	Donhauser	Unit connected Generator (ca. 20 MVA)	Siemens AG	U3241-P-U324-.....	7UM62,62	
Appr.	N.Mueller	with Grounding Transformer		(3)E50414-L0...-S100		Sheet 1-
Rev.	Remarks	Date	Name	Norm	Dr.Herrmann	Orig./Repl.f./Repl.by
1						
2						
3						
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